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503.33904RC1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): TANAKA, et al  
Serial No.: 09/964,359  
Filed: September 28, 2001  
For: LIQUID CRYSTAL DISPLAY APPARATUS  
Group: 2672  
Examiner: J. Brier

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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97 & 1.98**

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

August 18, 2003

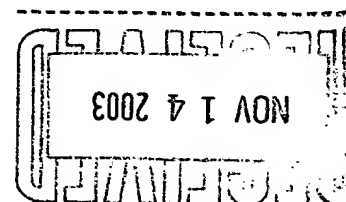
Sir:

In the matter of the above-identified application, applicant(s) is/are submitting herewith a copy of the documents cited in a counterpart foreign application and listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of either a final action or a notice of allowance and is accompanied by the fee of \$180.00 set forth in 37 CFR 1.17(p).

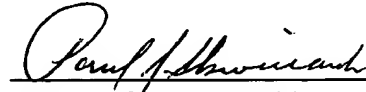
To the extent that, the documents listed on the attached form equivalent to Form PTO-1449, are not in the English language, the requirement of 37 CFR 1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language abstract.

It is respectfully requested that this information disclosure statement be considered by the Examiner.



Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (503.33904RC1) and please credit any excess fees to such deposit account.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Paul J. Skwierawski", is written over a horizontal line.

Paul J. Skwierawski  
Registration No. 32,173  
ANTONELLI, TERRY, STOUT & KRAUS, LLP

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Form PTO-1449  
Equivalent

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No. 503.33904RC1  
Serial No. 09/964,359  
Applicant: J. TANAKA, et al  
Filing Date: September 28, 2001  
Group: 2672



U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
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Foreign Patent Documents

**Technology Center 2600**

Document No.	Date	Country	Class Subclass	Translation Yes No
5-243577	9/93	Japan		(abstract)
6-059278	3/94	Japan		(abstract)
6-082818	3/94	Japan		(abstract)
6-208133	7/94	Japan		(abstract)

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

Examiner

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609;  
Draw line through citation if not in conformance and not considered. Include copy of this form with next  
communication to applicant.